

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997
From: dzn1@juno.com (Howard D Rubin)
Subject: [19336] "'AB7HI' Stephen Lee" <slee@u.washington.edu>: Radio Shack Parts
Message-ID: <19970509.050913.3254.0.dzn1@juno.com>

I have also been surprised and delighted by Radio Shack's responsiveness to my request for technical information. I purchased a used computer peripheral at a flea market and needed technical information on it. I called the local RS store and was offered the national number. They researched their shelves for the then obsolete item and found a copy of the technical data, copied and forwarded the docs to me in a very short period of time.

As a result of the experience I have much more confidence in purchasing RS equipment.

Regards,
Howard Rubin, N3FEL
www.pennwireless.org

----- Begin forwarded message -----
From: "'AB7HI' Stephen Lee" <slee@u.washington.edu>
Subject: Radio Shack Parts
From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997
From: "Brian K. Short" <ke7gh@primenet.com> (by way of "Brian K. Short" <ke7gh@primenet.com>)
Subject: [19325] **HUGE** Collection of Radio Mods on WWW
Message-ID: <3.0.1.32.19970509024705.006f2500@mailhost.primenet.com>

HUGE Collection of Radio Mods on WWW
Just installed a huge collection of equipment
modifications on my web site:
<http://www.qsl.net/k7on/radmods.htm>

Or, from the main page: www.qsl.net/k7on

Mods for all brands equipment below:
AEA Alinco AOR Argosy Bearcat GE Grundig
Heathkit Icom Kantronics Kenwood MFJ Misc
Motorola Paccom Ramsey Ranger Regency Sangean
Sony Standard Tandy TAPR Uniden Yaesu

Brian k7on@qsl.net >or< <http://www.qsl.net/k7on>

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997
From: MSU1972@aol.com
Subject: [19381] 38s
Message-ID: <970509153642_1853911335@emout04.mail.aol.com>

I have a number of small ac adapters...what amp minimum do I need for the 5 watt mod?

David

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997
From: "Rick Hadley" <r.hadley@www.mebbs.com>
Subject: [19353] 38S Chirp
Message-ID: <1.5.4.16.19970509091049.1c5fdb14@www.mebbs.com>

Last night KL7JEF gave me a 339C report which prompted me quickly check my signal on the FT757. Sure enough, the 38S has suddenly developed a noticeable chirp, after having been chirp-free for the first 8 weeks of its life. Anybody got any ideas about the first place to look for what might have changed??? I can't go through life sounding like a CO!!

Richard W. (Rick) Hadley
W0FG - Life Member ARRL
QRP-L #1019
r.hadley@www.mebbs.com
The Solutions Store, Ltd.

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997
From: wb2vuo@juno.com (William K Hibbert)
Subject: [19323] A Valid point...
Message-ID: <19970508.092118.7791.1.wb2vuo@juno.com>

One of the responses I got about my 160 Meter surprise pointed out the following:

"Thank goodness that there are a lot of guys with great ears on 160, yes? :)"

A valid point, but I have noticed that there a a lot of guys (gals) with great and SUPER ears on most any contest.

On the other side of the coin, there aer a good number of testers that

are still as deaf as stone, or that won't answer anyone that isn't overloading the RX.

On 160M, there are lots of "great ears" even during non-contest periods. The ones that don't have them don't come back, and I work someone else.

See you on the Bands, any and all that I can run...

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, 100% QRP
Tech Specialist (ARRL/WNY), ARRL Life Member,
Trustee, KB2YTW/B 10 Mtr QRP Beacon (4 Watts @ 28.2870 MHz)
"In the Depths of the Great Bergen (NY) Swamp...FN13ac"
Packet - wb2vuo@w2im.#wny.ny.usa.noam *** Email - wb2vuo@juno.com
SnailMail - CBA *** Phone - 716.494.1239

"My nightlight runs more power than my Rig!!!"

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997
From: "Hidehiko Komachi" <ja9mat@nsknet.or.jp>
Subject: [19340] Added 38S and TiCK-1 Photo on My WebSite.
Message-ID: <199705091050.TAA14763@po.nsknet.or.jp>

Hi,Fellows.
I've completed assembling the 38S and TiCK-1.
Added them on my website.Please visit again.

From: Hidehiko Komachi,JA9MAT,as a member of
"JA-QRP#036","G-QRP#9128","Alaska-QRP#025","QRP/L #761"
***** WebSite: <http://www.nsknet.or.jp/~ja9mat> *****

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997
From: Alan Kaul <kaul@netcom.com>
Subject: [19329] Amazing contest performance!!
Message-ID: <Pine.3.89.9705082052.A22653-0100000@netcom3>

> Wow--love those contests! I, too, was a SECTION
> winner in the ARRL SS. I just received my certificate for
> FIRST PLACE, QRP-CW, Los Angeles Section, November Sweepstakes!
> That makes at least 3 of us who won sections in the QRP
> category, and it just shows how important it is to SEND
> IN THOSE ENTRIES! (And in my case, it didn't cost postage

> because I e-mailed it to the ARRL.)
>
> 73/72 de alan
>
> [Alan Kaul, W6RCL] kaul@netcom.com

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997
From: Steve Galchutt <N0TU@webaccess.net>
Subject: [19380] Ant feedline underground...Lightining?
Message-ID: <33737A37.1379@webaccess.net>

Hello Antenna Gurus...Two Questions!

1. What is the best way to do long runs of 450 open wire or 300 ohm twinlead...My radio is aproximately 300' from the base of my ant. If I buried open wire/twinlead in PVC, would this have an effect on it's performance or should I keep it overhead and live with the lightening risks. I prefer NOT using losey coax - (yes hardline would work but can't afford 300'!!!) Also I prefer to use a tuner in the shack since I mainly want to experiment with different wire antennas (160m-20m). Remotely tuning an antenna is possible but a pain!

2. What's "good" lighting protection? (Yes, this was a recent thread & I learn alot but still have a few Qs)... more specifically, If I have serveral 8' ground rods at the base of my antenna (a 70' tree) where the feedline will go under ground (or maybe overhead) for 300' to the radio shack, and at the shack end I also will have a similar ground, and I'll have a grounding plate feed through system into the shack so I can disconnect from the antennas when not in use, (Here's the question) Should all of these 'grounds' be tied together with the AC mains ground or seperate? Please for give me ignorance... I probably should get ahold of ARRL hand book and read the chapter on Lightining Protection.

Any thoughts on either Qs are appreciated. Thank you...Steve/N0TU

"Making sense out of none sense be the challenge"....says He.....
n0tu/hw8/49er/NW8020/SW40/38s/solar/backpack-mobile... QRP-L # 911
My homepage - <http://www.webaccess.net/~S&P> ARS# 206 CQC# 394

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997
From: "Mike Siegel" <ki6pr@msn.com>
Subject: [19368] ARRL/DXCC...Some Thoughts

Message-ID: <UPMAIL05.199705091701090944@msn.com>

KI6DS and I have been discussing/lobbying this issue for about 2 years now, and, as a former Section Manager, I've been in a position to see many sides of this issue. Here are a few observations:

- * QRP is, of course, only one aspect of Amateur Radio; the ARRL's goal is to represent and serve ham radio as a whole - not simply individual interests. We need to take our place in line, and show some patience in this issue.

- * Do NOT go to the ARRL with the attitude "Gimme an award or I won't join the League!". The ARRL administers dozens of programs, including public service, education, and scholarships. If you're thinking about ARRL membership solely for some wallpaper, then perhaps you need to re-examine your reasons for being a ham in the first place...

- * The current DXCC program is now over 50 years old, and just about ready to collapse under its own weight. Are we really sure we want to force this issue, without knowing whether the current program will even survive?

- * Frankly, I am completely UNDERWHELMED by most Dxers I've met - they have a certain reputation for attitude. Right now, the biggest argument against a QRP/DXCC award is that the ARRL cannot verify our power levels - in spite of the history that their own Dxers have made (and just where are all those 5k and 8k amplifiers being run, anyway?). The bottom line is, because it is so easy for us to simply turn up the drive, we HAVE to do it cleaner, do it better, and do it more nicely than the average Dxer - with or without the award, we have to set the example, rather than following their lead.

Good luck to us!

72/3, Mike KI6PR
El Rancho R.F., CA

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997
From: Chris Cartwright <ccart@dns.vidtel.com>
Subject: [19347] BOAT/U.S. Solar Panels
Message-ID: <Pine.LNX.3.93.970509083235.817E-100000@dns.vidtel.com>

Some time ago someone asked about the solar panels available from BOAT/U.S. (800-937-2628) Well I finally got up to the warehouse to check them out. Here is sort of a mini-review.

Item #	Watts	Volts	Amps	Size	Price
--------	-------	-------	------	------	-------

220340-10	5.5	12 ?	100mA	6"x16"x3/4"	\$39.95
220361-10	5.5	16.8	330mA	15"x16"x1/2"	73.00
220358-10	5.5	15.6	?	8"x28"x3/8"	99.95
220359-10	11	15.6	?	16"x28"x3/8"	158.95
220360-10	22	15.6	?	16"x51"x3/8"	258.95

The 220340 seems a bit cheap and "plasticky" probably not bad if you used it inside the car or on nice days. Definitely not to be left outside.

The 220361 is the one I bought, rigid aluminum frame, and long leads, no blocking diode is supplied and when I tossed it out in the sun I read about 24V across it. (no load other than the meter) The other thing is that the catalog says "Made in the USA" but mine is stickered as "Made in Mexico", NAFTA?

Of the next three I only saw the smaller one, it looks about like a car sun visor. These are the "flexible" variety, they are about as flexible as a piece of poster board. This is pretty amazing for a solar panel. I got to bend it and was very impressed. It's shown in the catalog tied to the furled sail on a boat. The back is covered with a vinyl type of "skin" sewn around the edges and has four metal grommets to fasten it. The front is covered with something like those blue plastic tarps that are sold to cover wood piles and such, except that this is translucent.

So I guess I'm now looking for a charging circuit and will reply to questions in private email to keep the list volume down. And I can't wait to try out the 12V drip coffee maker I got while I was there...

72

```
-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- Phone 301.990.0735 N3XRV QRP-L #655 | ccart@erols.com --
-- QRP WAS 14/9 (w/c) QRP-ARCI #9271 | http://dns.vidtel.com/~ccart --
-- WIMPS Q's=02 30M=02 17M=00 12M=00 STATES=02/00/00 DX=00/00/00 QSL's=00 --
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From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997
 From: James Bennett <james@research.nj.nec.com>
 Subject: [19355] CA trip.
 Message-ID: <Pine.sol.3.91.970509110402.27751C-100000@shakti>

I will be making a trip to the Silicon Valley area of CA starting this Saturday and was wondering if there are any QRP/Ham radio events in the area over the weekend. (Yes I know I missed the NORCAL meeting by a week)

Also, any recommended electronics surplus/junk stores to check out?

Thanks
James Bennett
KA5DVS

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997
From: Raventhorne <jelder@ix.netcom.com>
Subject: [19333] Centennial Group Buy
Message-ID: <2.2.16.19970509002133.2a1feeec@popd.ix.netcom.com>

I have a group of four potential Centennial buyers here in SoCal. Anybody else interested in making it five and getting the kit for \$59.95?

72,

John
@~~~~~
@ John Elder, K06TS - King Of 6 Tiny States, ex: KD6HSK, N5FFH, WB6UWL, WN6UWL
@~~~~~

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997
From: kh6b@juno.com (Dean W Manley)
Subject: [19360] Contests
Message-ID: <19970509.061136.5391.1.kh6b@juno.com>

I got this rather large envelope from Newington today, a real headscratcher as I hadn't sent for anything recently.

Upon opening it, it says:

Keith wrote:

>"This Certifies That Station WB2VUO Has Achieved FIRST PLACE, SINGLE
OPERATOR, QRP >WESTERN NEW YORK SECTION In The 1996 ARRL 160-METER
CONTEST"
>
>WOW! I entered on a whim, and thought that my log was so small as to be
beneath notice.
>
>SEND IN THOSE LOGS!!! You MAY be pleasantly surprised, too!!
>

>72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, 100% QRP
>Tech Specialist (ARRL/WNY), ARRL Life Member,
>Trustee, KB2YTW/B 10 Mtr QRP Beacon (4 Watts @ 28.2870 MHz)
>"In the Depths of the Great Bergen (NY) Swamp...FN13ac"
>Packet - wb2vuo@w2im.#wny.ny.usa.noam *** Email - wb2vuo@juno.com
>SnailMail - CBA *** Phone - 716.494.1239

Wow. Congrats, Keith. I echo those words "Send in those Logs". I sent in my small log for the 1996 SS Contest in November. I received a nice certificate as winner in the QRP/cw portion for the ARRL Pacific Section. I'm happy that their are QRP sections to some of the contests.

73 and Aloha, Dean Manley KH6B
ARRL Life Member, HI Chapter QCWA,
ARCI 6257, QRP-L 1032, HI-QRP 1,
NorCal 1928, NW QRP 470, OOTC 3642
kh6b@juno.com VTI / W9SAL

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997
From: "Jeff M. Gold" <JMG@tntech.edu>
Subject: [19357] Dan's Centennial kit
Message-ID: <01IINUH34CQA8WYHC4@tntech.edu>

Anyone get one of these completely going and tested.. remember something about one in progress. I this a recommended or not recommended kit by the all powerful QRP-L?

info, greatly appreciated.

72
Jeff, AC4HF

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997
From: "Jeff M. Gold" <JMG@tntech.edu> (by way of Jerry Parker <jparker@fix.net>)
Subject: [19367] Dan's Centennial kit
Message-ID: <2.2.32.19970509165853.00ab5780@fix.net>

Anyone get one of these completely going and tested.. remember something about one in progress. I this a recommended or not recommended kit by the all powerful QRP-L?

info, greatly appreciated.

72

Jeff, AC4HF

YES,

Don Faith N9WR has his up and running. I am building mine now.

This rig just screams to be toyed with and modified, accessorized etc.

The board is big enough to do just that.

The rig was designed with the experimenter/builder in mind.

There are a few group buys going on also so keep an eye on QRP-L if you

want to save some....

Enjoy,,,72,,,Jerry...WA6OWR...K

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997

From: "Robert P. Okas" <vintage@best.com>

Subject: [19386] Digital Quadrature, et. al.

Message-ID: <Pine.SGI.3.95.970509132228.2704A-100000@shellx.best.com>

Gang,

The basic high level concepts of applying DSP to radio is treated quite well in the Sabin and Schoenike book, "Single Sideband Systems and Circuits", McGraw Hill. I have a copy of the 1987 edition, but the latest version is 9/95. Amazon Books lists it as currently backordered with a 3-5 week delivery schedule. The theory of image rejection mixers, filters, etc. are covered at a high level and the math isn't too rigorous. However, the authors do warn that further detailed information is required in order to realize a working system. The chapter on DSP discusses how DSP would function in a radio without putting the reader to sleep. I would recommend the book to those wishing to understand the tradeoffs involved in radio design, even if it doesn't provide cookbook recipes for rolling your own

rig.

The Stearns book, "Digital Signal Analysis", Prentice Hall, is a good place to start for DSP newbies, but a good grasp of calculus is required. There are several appendices that list programs (in Fortran) which can be used to develop digital filters. After converting them to C, I used them to develop IIR filter coefficients. Note: you can even do this with a scientific hand calculator!

Although I have no personal experience with it, there is a reduced-cost, student version of Matlab that can develop FIR and IIR filter coefficients. It sells for around \$100. There are also a number of tutorial books available from independent authors.

There is alot of DSP stuff out there these days. Implementing the signal processing algorithms can be as straightforward as writing assembly code for popular microcontrollers, but developing the actual algorithms requires a firm grasp of engineering mathematics.

72/3,

Bob - W3CD

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997
From: Stew Whitehouse <STEW_W@compuserve.com>
Subject: [19312] Fly'n down to Margaritaville
Message-ID: <199705081931_MC2-163B-16D2@compuserve.com>

Hi Qrp-L Folks,
I'm going to Key West Friday for a weekend
get together with the NCVA. Putt'n the list
on hold and will see ya'll Sunday evening.
72/73
Stew ke4yh
CTTC USN retarded

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997
From: "Keith M. Hamilton" <khamilton@cisnet.com>
Subject: [19376] FS Icom IC-735
Message-ID: <199705091919.PAA17827@smtp.cisnet.com>

For Sale Pre-Dayton special!

Icom IC-735

Excellent condition and 100% operational

with: HM12 hand mic
 FL-32A 500hz CW filter
 IC-EX243 internal electronic keyer
 Manual

will insure and ship to the continental US upon receipt
of certified check or Money Order for \$550

Send e-mail if interested..... I will e-mail my phone # back to you.

PS Hurry! It's going to Dayton in one week!

Keith M. Hamilton
khamilton@cisnet.com

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997
From: "Jeff M. Gold" <JMG@tntech.edu>
Subject: [19346] Green Mountain Tranceiver Kit
Message-ID: <01IINREFA3FM8WYG05@tntech.edu>

Howdi from dreary Mid Tennessee.

Just got my GM-30 kit from Small Wonders Labs. I had just a little
bit of time last night and this morning to check out the board,
parts and directions. All are top quality.

The item that most impressed me is the manual. It is a work of art
as far as I can see. The directions are very logically organized
and seem VERY complete. When I build for relaxation... I don't
like ambiguity in directions. This is a major problem in writing
technical manuals. The problem is basically that the writer has to
first be able to write clearly and secondly know what he/she is
writing about. If you already know how to build the kit, it is
quite easy to leave off specifics in your directions.

Great care seems to have been taken NOT to have ambiguity in the
manual. For example: when describing how to place the diodes Dave
shows the schematic symbol, then both how the board is marked and
how the part will look on the board. There are very clear pictures
of what the board looks like from top and bottom.. all parts are

just nice!!!!

Looking forward to building this.. of course I am not looking forward to making a case for it.. although there was a really nice couple of pages in QRPP on how to make cases out of PC board. I have always wanted to do this after seeing a really nice job Doug H. did on one.

have a good weekend

(*I get to graduate college for the third time .. may get it right this time :*) think I might be getting just a wee bit old for this.. for example-I most likely won't be able to read the program without my glasses (and haven't worn glasses since I was 5

72

Jeff, AC4HF

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>
Subject: [19361] KW vs dBm? (was Re: QRP DXCC)
Message-ID: <Roam.SIMC.2.0.6.863194330.25917.myers@bigboy>

Randy WJ4P wrote:

> Michael A. Gipe wrote:
> >
> > > Be prepared for a LONG wait. I can't get a simple KW/M
> > > certificate from ARCI.
> >
> > Perhaps they were confused about your request for a "kilowatts per mile"
> > certificate -- most QRPers run a little less power. :-)
>
> DOH!!! :D

Maybe we could get them to standardize on dBm; certificates would be issues for dBm/M - is that confusing enough?

QRP = +37dBm
QRPP = +30dBm

It frightens me that I didn't have to make those conversions in my head; I just knew them.

I used a calculator for 1500W = +61.76dBm.

;-)

Dana K6JQ
Dana@Source.Net

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997
From: George Gingell <k3tks@u1.abs.net>
Subject: [19364] Micronaut Info
Message-ID: <Pine.BSI.3.93.970509112735.13409B-100000@u1.abs.net>

The reason you have not found email or webpage info for Dave Ingram, K4TWJ is because he is not on it. Dave writes the WORLD OF IDEAS Column in CQ Magazine. It often includes QRP, Milliwatting Ideas, Keys and Glow Bug articles.

Dave presented the Micronaut Transmitter Last year (Apr. & May CQ) and again this year. He is offering the Micronaut II Transmitter Kit for \$ 17.00 postpaid in the U.S. Be sure to mention band desired 80,40,30 or 20M. I can't locate my copy right now, but I think you have to supply your own crystal.

FYI - Doug Hendricks of NorCal may still have some QRP Freq. Crystals for sale.

The correct address and phone number for Dave Ingram follows:
Dave Ingram, K4TWJ 4941 Scenic View Drive Birmingham, AL 35210
Dave's Telephone is (205)951-0162

Dave recently told me that he will be featuring the MRX-40 Receiver by Steve Bornstein, K8IDN of CQrp (Columbus QRP Club) in an upcoming issue of CQ Magazine. He will also be doing a write up on Users of Microwatt rigs. I would suggest sending a note and photos of your "Microwatt Stations".

MRX-40 DC Rcvr Kits are Available from Steve Bornstein, K8IDN for \$ 18.00 each postpaid. Checks to "Steve Bornstein" 475 East North Broadway Columbus, Ohio 43214. OBTW - You can Join CQrp (Columbus QRP Club) for \$ 5.00 and get another QRP # for your list and a small but neat newsletter. Other offers pending.

Happy Milliwatting and Don't forget to send those Milliwatting Reports to Bob White, W03B/6 for the Milliwatts for Wimps :^) in The QRP Quarterly. <bobwhitewo3b@geocities.com> I hope that is correct :^)

72 ES
QRP DX TU (C) 1986, G. Danny Gingell, K3TKS@abs.net "Danny"

Maryland Milliwatt Club QRP Reference Library, (301)572-6789
QRP ARCI Net Manager and Board of Director Member.

ARCI #4368 G-1290 M-192 NE-28 NW-14 NorCal-926 CQC-349 FB-51
MDMW #1 QRP-L #216 CQrp #42 AK-QRP #195 KL-QRP QCWA 23739
CP-25 WAS QRPp QNI-1000 Milliwatt Beacon Hunter KMWA KL-Mw Award
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997
From: Steve Bornstein <sabornsb@freenet.columbus.oh.us>
Subject: [19377] Micronauts and MRX-40
Message-ID: <Pine.3.07.9705091431.A20793-91000000@login>

G'day All,

I just received 25 Micronauts from Dave Ingram. I will bring them with me to Dayton. They sell for \$15 (\$17 including shipping) and come with 3.57 kc xtal. To put one on 40 all you will need is a 40 meter xtal.

I will also have a supply of MRX-40 receivers at Dayton.

73 DE K8IDN STEVE
QRP-L 331, ARCI 9059, NORCAL 1717, MIQRP, FISTS 2441, GQRP 8332, CQRP 1

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997
From: "Carol N. Wright" <cnw@HiWAAAY.net>
Subject: [19331] no go... (fwd)
Message-ID: <Pine.OSF.3.94.970508232114.30647B-1000000@fly.HiWAAAY.net>

Hey Gang,
Eric is having a little trouble posting to the list so here's his message to the list. Thanks Gang, Best 72/73 DE Matt, AE4JM

P.S. Let's see if we can work ol Eric and get some gud DX!

----- Forwarded message -----
From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997
From: "Brian Jones" <brian_jones@uk.ibm.com>
Subject: [19338] NO SUBJECT
Message-ID: <199705091025.GAA143374@nss2.CC.Lehigh.EDU>

Offering cheap Dayton Accommodation

Hi,

due to only knowing that I would get chance to attend at almost the last minute I had some problem finding accommodation. I now have a confirmed 4 bed (2 rooms each with twin beds) suite at the University of Dayton. Looks to be a pretty central location about 25mins from Hara. 4 beds is a little extravagant for just little old me - so anyone still looking for a room send me a note. Cost is 72 bucks per night (I have Fri and Sat nights confirmed) for both rooms so if anyone (or 2) wants the second bedroom at 36 bucks per night (18 each if 2) then send me a note.

Should have a rental car so can provide transport to Hara (or a shuttle nearby).

Brian - G0UKB (& KB8YKJ)

Brian Jones
Java Technology Centre
HURSLEY MP 146 Ext 246896 (+44 1962 816896)
BEJONES AT WINVMD brian_jones@uk.ibm.com

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997
From: tim_hynde@idecc.com
Subject: [19362] No subject given
Message-ID: <9705098631.AA863194636@idec_mail.idecc.com>

ptaber@microtest.com wrote:

>I don't think it'll matter. If you have a fixed
>offset, then we have to presume that when you've tuned
>your rig to where you hear the proper note from the
>sending station, you're that much away from that
>station's zero-beat freq.

Bad presumption, and this is the crux of the discussion. You see with a rig like the 38 S, which is not a single signal reciver, you'll get a nice "note" on either side of his carrier right? So if your TX has an offset of -750 Hz you must tune to the high side for a 750hz note. Then when you transmit you'll be transmitting 750Hz down and be on his frequency. BUT, what if you tuned to the lower side of his carrier for a 750Hz

note? Now your TX freq (still -750 Hz) is now 1500Hz away! Your not zero beat to his freq and could be too far away for him to hear you at all.

>When you transmit, you'll be transmitting on his z-b
>freq. No matter which "side" he's tuned to, he's tuned
>to get the proper tone from someone sending on the z-b
>freq. So he'll hear you.

This is true, only if your ZB to his freq.
In your followup post you mentioned your rig having a CW position switch, and yes, The rig is set up to run as is. But for the new guy just begining to build I think it's important to understand whats happening with offsets.

73, Tim, ka8ddz

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997
From: dearly@cocc.edu (Daniel K. Early)
Subject: [19316] Norcal40a& power supply
Message-ID: <v01540b00af97b4258f26@[206.163.24.207]>

I would like to thank all the offers I received for QRP rigs. I have purchased a Norcal40A thanks to Doc K0EVZ. My question is can I run it off my large Astron 20 A power supply I use for my 100 W IC730? Dan WA6IRO

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [19388] Packet
Message-ID: <Pine.SUN.3.90.970509155431.22460B-100000@vortex>

Hi All,

OK, now that I have a PK-88, where do I go and what do I look for in software?

And then what to I do with it??

I just want to watch the DX spots.

Thanks,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [19339] Part 5, 2-element beams
Message-ID: <Pine.SOL.3.94.970509063003.9206E-100000@utkux4.utcc.utk.edu>

In response to a number of questions, suggestions, and comments, I have added a 5th part to the 2-element Yagi notes on strategies for improving forward and rearward performance. Hope there is something useful there.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	(Off)(423) 974-7215
1434 High Mesa Drive	/	\	\	\	----	/\---	(Hm) (423) 938-6335
Knoxville, Tennessee	/\	\	\	\	/	/	(FAX)(423) 974-3509
37938-4443 USA	/	\	\	\	\		cebik@utk.edu
URL:	http://funnelweb.utcc.utk.edu/~cebik/radio.html						

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997
From: fmathews@norfolk.infi.net (Frank Matthews)
Subject: [19324] PIC-Based Digital Display
Message-ID: <v01530500af980492bd6e@[208.131.169.176]>

Fellow QRPers,

I just received my May issue of QST today and started salivating when I saw the digital frequency display project on page 36. Is anyone else out there planning to build (or already built) this project? This thing looks like it may just be the ticket for future projects!

Hopefully this question won't create as much of a stir as the last one I posted (frequency relationships). :-)

73, Frank

Frank Matthews
Technology Education Department
Oscar F. Smith High School
Chesapeake, VA 23320
fmathews@norfolk.infi.net
KC4FKX QRP-L #1079 CQC #434 NorCal #????
Grid Square FM16

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997
From: jim hale <kj5tf@mctc.com>
Subject: [19327] QRP DXCC
Message-ID: <33729A42.685@mctc.com>

I'm a member of ARRL, sure it would be nice to have a QRP DXCC from there.

But I'd rather have the ARCI QRP DXCC award anyway!

Here's how to do it.

I'm going to get two local QRP'ers to check my QSL cards and my logs.
Not all the QSL cards have /QRP following my call.
But my logs show how much power I was running. Only QRP since 1993.

Then I get statements from two witnesses and send that along with my countries worked list, in same order as they appear on the DXCC list, (not the cards) and \$2. to Chuck, K5FO. Not hard really.

I already have over 100 QRO, but not interested in that kinda wallpaper.

But the QRP DXCC from our ARCI means allot to me.

I just got my 100th DX QSL card, and as soon as I can do my paperwork, I'll be sending in my \$2. and info Chuck! thanks, de Jim AR QRP
#2

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997
From: "Howard Z Weinstein" <Howard.Z.Weinstein@lmco.com>
Subject: [19354] QRP EQUIPMENT FOR SALE
Message-ID: <0230E33733D25771*/c=us/admd=telemail/prmd=mmc/o=den/ou=ccmail/s=Weinstein/g=Howard/i=Z/@MHS>

Gentlemen,

I have just received notice that I am being laid off today. There fore the following equipment is for sale. I will be off the reflector temporarily so please respond via phone or snail mail.

Howard Weinstein K3HW
460 B Barton Run Blvd
Marlton NJ 08053

(609) 596-4548

1. QRP++ just purchased last week - immaculate condition all docs and accessories \$550.00 sn 1198 postpaid
2. New unbuilt 38S \$28.00 postpaid
3. Two (2) New unbuilt 49ers \$28.00 each postpaid
4. Radio Shack DSP unit (discontinued) New in box \$30.00 postpaid
5. Astron 20 Amp 0-15 V DC Variable Power Supply. Good condition. \$100.00 plus UPS shipping (heavy)
6. Radio Shack Transistor Tester - New in box \$30.00 postpaid
7. MMA SLV 40M coil, base, and spike w/SD-20 pole \$72.00 postpaid

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997
From: ed.welch@cheaha.com (ED WELCH)
Subject: [19337] QRP/DOS?????
Message-ID: <8D7754B.0004002CC9.uuout@cheaha.com>

-> TNS George...You have no idea how many people there are out there
-> with older machines and no access to windows (hence

-> netscape/explorer) that fume when all these guys with fancy rigs plug
-> their mega-byte long graphics on their web pages....QRP is all about
-> simpler and smaller, after all!

DOS and QRP....makes sense! :)

72/73

Ed Welch KF4KRV

NorCal Member #??? / 1st Grand Poobah ScQRPion of Alabama

QRP-L #873 / FISTS #2964

Luverne, Alabama : Crenshaw County - Grid EM61

PIPELINE BUNGY, Skippers Canyon, NZ

AAAALLRRRIIIIIIGGGHHHHHTTTTTTTT!!!!!!

```

+-----+
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----
+-----+
                >   Isn't "time" a 4-letter word?   <
```

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997

From: mdwatt@usit.net (Marty Watt)

Subject: [19334] Receiver specs

Message-ID: <3373d23e.123623062@smtp.usit.net>

I'm attempting to compare the receiver in my ARGO 556 to the specs for other compact HF rigs (like the TS-50, IC-706, and DX-70. The specs for the tentec list a sensitivity of .35uV, which seems rather "insensitive". The noise floor is -126dBm.

I can't find specs on the TS-50 on the web, but the DX-70 has a sensitivity of .25, the IC-706 is .16uV. Nobody lists noise floor ...

is there a way to compare the specs on this? Or is there a level at which further receiver sensitivity becomes irrelevant?

72 es 73 de=20

Marty, KM7W

Jackson, Tennessee

e-mail: mdwatt@usit.net

<http://www.public.usit.net/mdwatt>

"The Curmudgeon's Corner"

NorCal #2031 - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq
~~~~~

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997  
From: launerb@crl.com (William H. Launer)  
Subject: [19322] Subject: Re: frequency relationships  
Message-ID: <v01530500af98253c1efe@[192.0.2.1]>

Gang,

I think we have a simple case of mis-communication! In a superhet transceiver (such as the N38S), the receive frequency is the same as the transmit frequency. The bfo frequency is shifted from the i.f. by a fixed amount (+ / - 600 Hz, or so) to provide an audio frequency output from the product (or diode) detector. There are no "sidebands associated with a cw transmission (there is a little more bandwidth used due to the keying of the carrier). The critical thing to remember is that with a receiver that allows you to hear two beat notes from an incoming signal, you need to tune to the preferred (or design) beat note to put your transceiver on the same frequency as an incoming signal. With a receiver that has a narrow i.f. filter, you normally only hear one beat note, so there is no confusion.

72, 73 Bill wb0cld

Bill Launer  
St. Charles, MO  
launerb@crl.com  
wb0cld@wb0cld.ampr.org [44.46.66.25]  
qrp-l #279 qrp arco #3551  
Grid Square EM48RT

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997  
From: tim\_hynde@idecc.com  
Subject: [19363] Subject: [19307] Re: QRP DXCC and ARRL  
Message-ID: <9705098631.AA863194626@idec\_mail.idecc.com>

Why not make a NorCal DXCC and WAS qrp award. With all kinds of endorsements for homebrew, milliwattting, etc.

Wouldn't it be spiffy if over time it became more sought after than the ARRL awards? I'll verify the cards, what say?

73, Tim, ka8ddz

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997  
From: DENNYV <DENNYV@clarityconnect.com>  
Subject: [19315] TenTec Omni A Parts?  
Message-ID: <33729498.566D@clarityconnect.com>

Hi All

I picked up a couple vintage Ten-Tecs this weekend at a Hamfest, a 540 and a Omni A. I got a little carried away tweeking the Dial cord on the omni and broke the Dial pointer. QUESTION: Does anyone know of a source for Vintage Ten tec parts? Also is there a Ten tec group out there and where do I find it? Thanks and 72 Denny

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997  
From: Joel Malman <malman@BBN.COM>  
Subject: [19326] WIMPS: 12 Meters  
Message-ID: <199705090248.WAA83573@nss2.CC.Lehigh.EDU>

Group,

Has anyone worked a station on 12 meters for WIMPS?

Every so often I give a listen on 12m but there is never anyone there. Most propagation charts I see, say that 12m should be open from Eastern USA to South America (via grayline, I guess) between 2000-0000z at least a few days per month -- guess I never listened on the right days ... 72.

/joel wa1qvm (malman@bbn.com ... Concord, Ma.)  
WIMPS: Qs=077 30m=072 17m=05 12m=00 States=17/02/00 DX=028/03/00

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997  
From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>  
Subject: [19330] WIMPS: 12 Meters; SCHEDS?  
Message-ID: <19970509041442.AAA21624@LOCALNAME>

At 02:48 AM 5/9/97 +0000, you wrote:

>Group,

>

$\succ$ 

O.K. Joel, you're on. I just finished putting together a Sterba Curtain for 12m and am looking for contacts to make all the Blood Sweat & Tears worthwhile. If the weather holds out I should have it up sometime Fri. PM. Let me know when you think we have the best chance. (NOT Sat. PM... I'll be away 'til 7:00pm. -ANY OTHERS INTERESTED?

=S=

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997  
From: Stanley Wilson <microres@crl.com>  
Subject: [19384] Re: 38s  
Message-ID: <Pine.SUN.3.91.970509130513.6274B-100000@crl9.crl.com>

I would use a 1 amp unit.

On Fri, 9 May 1997 MSU1972@aol.com wrote:

```
> I have a number of small ac adapters...what amp minimum do I need for the 5
> watt mod?
> David
>
>
```

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997  
From: talljazz@teleport.com (Dan Presley)  
Subject: [19369] Re: 50/40/30 May 8 (local) Or  
Message-ID: <v0153050eaf9863452f3e@[206.163.123.253]>

Hah!-I had 3 QSOS!!!! I have never heard condix this bad in a long time!None on 30-just a wall of QRN, and 3 stations on 40-2 from Wa, both thinking I was calling CQ Wa, not CQ WAS! Michael Gipe (K1MG), if you're listening, how about another night some time?

Dan N7CQR

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997  
From: kh6b@juno.com (Dean W Manley)  
Subject: [19371] RE: A TenTec Question  
Message-ID: <19970509.073644.5391.5.kh6b@juno.com>

Bud, good to hear from you. It's been a long time. Since you now have a TenTec, let's try for QRP-to-QRP. I've done the HI-FL before, fun to do it again. I now have a full-size 2-element delta-loop beam for 40 meters. It's aimed 55-degrees.

The station was set up at Jack-in-the-Box Restaurant in Hilo. I used both 40 and 80m with tuned coax counterpoise system hanging over some unused tables and chairs, as you may recall.

About the portable station. I've refined it somewhat. The system is called "The James Bond 007" antenna, named by Uncle Sam KH6AFS. After connecting the rig to an antenna tuner. Connect antenna, like a Hustler 40m top part. This is just the coil and adjustable tip - about 31 inches long. Do not use the lower mast section. Now attach the antenna to your tuner with the following connectors:

Feedthru adapter, S0239 to standard  
3/8" thread, RS 21-961  
M-348 inline right-angle adapter,  
Radio Shack 278-199  
Double PL259, RS 278-192

73 and Aloha, Dean Manley KH6B  
ARRL Life Member, HI Chapter QCWA,  
ARCI 6257, QRP-L 1032, HI-QRP 1,  
NorCal 1928, NW QRP 470, OOTC 3642  
kh6b@juno.com VTI / W9SAL

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [19375] Re: ARRL/DXCC...Some Thoughts  
Message-ID: <Pine.SUN.3.90.970509112053.21274B-100000@vortex>



On Fri, 9 May 1997, Mike Siegel wrote:

> If you're thinking about ARRL membership solely  
> for some wallpaper, then perhaps you need to re-examine  
> your reasons for being a ham in the first place...

I would disagree with this Mike,

I think chasing wallpaper is just as valid a reason to be a ham and a member of the ARRL as anything else. And to want to do it QRP is also very valid.

And if it wasn't good for the hobby, shouldn't the ARRL stop putting it out??? :-)

> \* The current DXCC program is now over 50 years old, and just about ready to  
> collapse under its own weight. Are we really sure we want to force this issue,  
> without knowing whether the current program will even survive?

One of the questions I raised in a editorial was: Is the DXCC a low tech program that has been overtaken by a high tech world?

> Right now, the biggest argument against a  
> QRP/DXCC award is that the ARRL cannot verify our power levels

But that's just not a valid reason. They can't/don't check much of anything.

And how did they check them for this past SS contest? Or any of the other contests where they have power classes?

I don't care if they just say NO, but please don't give us such weak excuses!

(Weak excuses, AKA Lies, is one of my reasons for not being a fan of the ARRL)

> we have to set the example, rather than following their lead.

Now I can agree!!

I really don't see anything wrong with another award issued by one of the QRP groups.

But it might be nice to see if the ARRL would let it be called

DXCC. Maybe some sort of joint effort between the ARRL and a QRP club.

(I would "vote" to have the club be the ARCI, but I do have a small vested interest in it!!)

While on the issue of the ARRL and QRP.....when you go jumping up and down about QRP DXCC, you might thank them for all the QRP articles that have been in QST lately! I'm not an ARRL fan, but I'll sure give the folks in Newington their due for doing such a good job in the past few issues I've seen.

> Good luck to us!

Yep! But it's gonna take a lot to get rid of us QRPers!

cul,

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997  
From: Dave Sjolin <sjolin@swbell.net>  
Subject: [19379] Re: ARRL/DXCC...Some Thoughts  
Message-ID: <33737BB9.7426@swbell.net>

Monte Stark wrote:

>  
> I really don't see anything wrong with another award issued by  
> one of the QRP groups.  
>  
> But it might be nice to see if the ARRL would let it be called  
> DXCC. Maybe some sort of joint effort between the ARRL and a  
> QRP club.  
>

Hi Ron:

This might work. The Geritol net and ARRL jointly sponsored a WAS award for 75 meter ssb, with all contacts taking place in the Extra Class segment (most on 3767 mhz). I am not sure if they still have this endorsement but it has been done.

An alternative would be to have a sponsoring club issue endorsement stickers. You send your cards to ARRL for DXCC. Then you send a list of contacts or the actual cards again to the sponsoring club who issues an endorsement sticker, similar to those issued by the ARRL. If you already have DXCC certificate, just send in list of contacts for endorsement.

73 de Dave, N0IT

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997  
From: Cecil A Moore <Cecil\_A\_Moore@ccm.ch.intel.com>  
Subject: [19382] Re: Bazooka's

>From: Ed Pacyna <pacyna@auratek.com>  
> ... Over the years past I have seen this  
>topic analyzed by some pretty credible professional antenna engineers  
>who concluded that the added bandwidth is only due to the losses in the  
>coax (and this antenna is less efficient than a dipole)...

Hi Ed, yup, the 1.14 times the bandwidth of a dipole is achieved by losing 10% of the power at the edges. One can achieve wider bandwidth and better efficiency with a dipole simply by varying the length of the ladder-line to feed at a current maximum point. On 75m, adding or subtracting 4 ft sections of ladder-line allows me to cover 3.7-4 MHz with my dipole with an efficiency higher and a bandwidth wider than a bazooka.

73, Cecil, W6RCA, 00TC

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997  
From: Bensondj@aol.com  
Subject: [19341] Re: Clueless :-)  
Message-ID: <970509085301\_-265011653@emout10.mail.aol.com>

Hi gang-

(My apologies- this isn't QRP-related\* but it's Friday.

>> "Ohms jumping out of our bodies"??? Anyone besides me notice the  
>> increasing trend in industry where the sales person is totally  
>> clueless about his product?

My favorite piece of corporate 'tribal memory' has to do with a big-bucks

sales whiz we brought in to introduce a new product line at a convention. The product used a partially gas-filled sensor, and when people asked skeptically about temperature sensitivity (remember the universal gas law from chemistry class?), he'd assure them "Hell yes, it's got all the temperature sensitivity you'd ever need!"

(Little did he know how right he was- much of the money spent on this design went for firmware trying to fix the temperature problems.) This story hails from the seventies, by the way, so rest assured- cluelessness is not entirely a modern phenomenon!

73- Dave Benson, NN1G

\*Strictly speaking, that is. Being clueless most likely falls into a 'QRP' category of some sort. :-).

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [19351] Re: Clueless :-)  
Message-ID: <Pine.SUN.3.90.970509071402.20568B-100000@vortex>

Hi Dave and all,

One other little thing to think about.....

Was the salesman quoted right? Or did some uninformed reported just put down words that looked good to them??

I mention this because almost anyone who gets interviewed very much will be misquoted more than you care to know!! (Been there and done that too!)

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997  
From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>  
Subject: [19350] Re: Clueless, -or, "what's the matter with kids these days?"

Message-ID: <19970509141347.AAA6508@LOCALNAME>

This may be "Whipping The Dead Horse", but....

We had hired a new graduate engineer at the semiconductor plant and in a tour of the Device Metallization line. The team and I were explaining the process, -placing 300+ silicon wafers face down on cut-out dimples in a 3' stainless dome, putting it in a vacuum chamber, then flash-depositing aluminum on them. It went like this:

He: "So, .... you lay the wafers in those dimples and pump the air out of the chamber?"

We: "Yes... it takes about 15 minutes to get down to a hard vacuum."

He: "but... with no air pressure... what keeps the wafers in the dimples?"

We: "wh... uh... gravity of course..."

He: "without air pressure? -you aren't serious!?!"

=s=

"Seab" Lyon - AA1MY  
Bethel, CT; FN-31-HJ  
ARCI#9253; QRP-L #574  
NEQRP#511; ARRL; QCWA

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997  
From: "Ronald J. Polityka" <wb3aal@talon.net>  
Subject: [19321] RE: Don't call KA3HNM with QRP Pwr.  
Message-ID: <199705090114.VAA19158@pelican.talon.net>

Hello everyone, I like what Niels, VE6NJK / TF3NS had to say about calling KA3HNM with QRP power. So I got the freq. that George operates. Look for KA3HNM on 10.105 to 10.110 nightly. He said he is there almost every night. So if you hear him call George with your low power but don't send /QRP until you signed off with him. Let show him what QRPing is all about.

73 & Good Dxing  
Ron de WB3AAL

wb3aal@talon.net

QRP # 5318            OWL's Radio Club  
G-QRP # 3031        PA QSO Party 1996 Small Club Award  
QRP-L # 1099  
10-10 # 13173

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997  
From: George Gingell <k3tks@u1.abs.net>  
Subject: [19365] Re: DXCC QRP  
Message-ID: <Pine.BSI.3.93.970509122408.16854A-100000@u1.abs.net>

Doug,  
My first thought is, great where do I sign up? Why not have a Half  
page form available at FDIM & QRP Booth that anyone can grab one up,  
sign it and hand deliver it to ARRL Booth at Dayton?

Another thought is to have a PETITION to be signed, sealed and delivered  
to ARRL BOOTH. After all Every ARRL Member has a right to be heard and  
a response given.

A third possibility is to Organize an Official QRP Endorsment Group  
Comprised of members of Various QRP Clubs, Such as QRP ARCI, NorCal, G-QRP  
and Mi-QRP and any others who wish to participate. The "IQRP" would issue  
the "Endorsment Seal" to be added to any award "DXCC" or whatever.  
This Endorsment would be more meaningful since it would be from our fellow  
peers. Oh yes, I am sure someone could Cheat and get a seal, but how much  
is that really worth? There is NO WAY to practically enforce any rule for  
these achievements other than the most simple and effective one which is  
internal and eternal. Conscience..

Looking forward to seeing all at Dayton Next week..

72 ES  
QRP DX TU (C) 1986, G. Danny Gingell, K3TKS@abs.net "Danny"  
Maryland Milliwatt Club QRP Reference Library, (301)572-6789  
QRP ARCI Net Manager and Board of Director Member.

ARCI #4368 G-1290 M-192 NE-28 NW-14 NorCal-926 CQC-349 FB-51  
MDMW #1 QRP-L #216 CQrp #42 AK-QRP #195 KL-QRP QCWA 23739  
CP-25 WAS QRPp QNI-1000 Milliwatt Beacon Hunter KMWA KL-Mw Award  
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997  
From: mdwatt@usit.net (Marty Watt)  
Subject: [19366] Re: DXCC QRP  
Message-ID: <33735672.551305@smtp.usit.net>

On Fri, 9 May 1997 12:41:03 -0400 (EDT), George Gingell  
<k3tks@u1.abs.net> wrote:

>A third possibility is to Organize an Official QRP Endorsment Group  
>Comprised of members of Various QRP Clubs, Such as QRP ARCI, NorCal, =  
G-QRP  
>and Mi-QRP and any others who wish to participate. The "IQRP" would =  
issue  
>the "Endorsment Seal" to be added to any award "DXCC" or whatever.  
>This Endorsment would be more meaningful since it would be from our =  
fellow  
>peers. Oh yes, I am sure someone could Cheat and get a seal, but how =  
much  
>is that really worth? There is NO WAY to practically enforce any rule =  
for  
>these achievements other than the most simple and effective one which is  
>internal and eternal. Conscience..

I really, really, really like this idea. Newington can do what they  
want -- but recognition and respect from my fellow QRP'ers is what I  
seek!

Perhaps some of the discussion at Dayton (wish I could be there!)  
can be about this topic!

72 es 73 de=20  
Marty, KM7W

-----  
Jackson, Tennessee e-mail: mdwatt@usit.net  
http://www.public.usit.net/mdwatt  
"The Curmudgeon's Corner"  
NorCal #2031 - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq  
-----

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997  
From: tahrens1@juno.com (Tim H. Ahrens)  
Subject: [19383] Re: DXCC QRP  
Message-ID: <19970508.145035.9167.0.tahrens1@juno.com>

Marty - do you really think that you will get respect from

this group?!hehe

cu

Tim W5FN

On Fri, 09 May 1997 16:54:56 GMT mdwatt@usit.net (Marty Watt) writes:

>I really, really, really like this idea. Newington can do what they  
>want -- but recognition and respect from my fellow QRP'ers is what I  
>seek!

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997  
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>  
Subject: [19348] re: frequency relationships  
Message-ID: <36242.owen@piper.eeel.nist.gov>

In message Thu, 8 May 1997 16:58:07 -0500 (CDT),  
Kevin Anderson <anderson@ncrsun1.ncr.usace.army.mil> writes:

> I don't understand why a frequency displayed should be  
> set up to be anything other than the carrier frequency.  
> No wonder folks are confused if their rig does otherwise.

MOST of our modern rigs are transceivers and they are also SSB rigs. Most are set to read the frequency that is the suppressed carrier frequency when operating SSB. In CW this is the receive frequency at which we will hear a (usually) 750 Hz tone and the transmitter is offset by 750 Hz when transmitting so the other station will also hear a 750 Hz tone without tuning. Some rigs show the transmitting frequency when the key is closed others continue to show the receive frequency. Some even show the frequency on which you will transmit when you are receiving. It doesn't matter as long as you know WHAT your rig displays.

72/73 Jim K4CGY qrp-1 #72

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997  
From: "Earl W. Murphy" <aa385@gpfn.sk.ca>  
Subject: [19374] Re: Green Mountain Tranceiver Kit  
Message-ID: <Pine.SOL.3.91.970509112304.24986B-100000@GPFN1.GPFN.SK.CA>

Hi Jeff And anyone interested: I see your in for a wonderful experience



with building your GM-30. Yes, in fact the instruction booklet is very well put together with easy to follow directions.  
I built a GM-20 recently and thought I would share a discovery with you. If you come across an old Hayes 1200 baud modem, the aluminum case is a perfect enclosure for the Green Mountain series kits. The Green Mountain board slides into the case via the extruded tracks and makes for a real nice low profile rig. I mounted the pots on the top of the case towards one end, and directly below these is a spot for an internal speaker ( you can use the speaker that came with the modem! )....Happy building and enjoy the rig...72/73's....Earl ( VE5WF )...QRP-L 1076

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997  
From: Chris Cartwright <ccart@dns.vidtel.com>  
Subject: [19342] Re: KC-1 interference to SST-30?  
Message-ID: <Pine.LNX.3.93.970509081657.817D-100000@dns.vidtel.com>

On Wed, 7 May 1997, Bernie Doehner wrote:

> I would be very interested in hearing from those of you who are  
> planning on installing a KC-1 in a SST-30 (when you finish) about how much  
> noise (if at all), the KC-1 adds to the SST-30's receiver.

Have one on order with a KC-1 and I'll be sure to keep the list informed of progress. Any one have any idea how many of the SST's have been "pre-ordered"?

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --  
-- Phone 301.990.0735 N3XRV QRP-L #655 | ccart@erols.com --  
-- QRP WAS 14/9 (w/c) QRP-ARCI #9271 | http://dns.vidtel.com/~ccart --  
-- WIMPS Q's=02 30M=02 17M=00 12M=00 STATES=02/00/00 DX=00/00/00 QSL's=00 --

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997  
From: Mitch W4OA <w4oa@vibroplex.com>  
Subject: [19311] RE: Micronaut Info  
Message-ID: <XFMail.970510002559.w4oa@vibroplex.com>

On 01-Jan-70 Chandler Russell H wrote:  
>> I have been unsuccessful in my attempts to locate  
>either e-mail or a webpage for Dave Ingram/K4TWJ.  
>I would like to order a Micronaut but need the ordering

>info to do so. Any Ideas?

>

> Tnxs

> Russ

hi russ...

dave's address is 4941 Scenic View Drive, Birmingham, AL 35210

he came by the vibroplex booth at the birmingham hamfest a couple of weeks ago... i admonished him \*again\* about not having email or a web page...

i picked up a micronaut from him then... i haven't built it yet, tho... maybe after dayton...

mitch, w4oa

-----Vibroplex - Since 1890, the oldest name in ham radio!-----

Felton "Mitch" Mitchell, W4OA email: w4oa@vibroplex.com

The Vibroplex Co., Inc., 11 Midtown Park East., Mobile, AL 36606-4141

Orders 800-840-8873, Info 334-478-8873, FAX 334-476-0465

Visit our web site: <http://www.vibroplex.com/>

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997

From: Chandler Russell H <rhchan@facstaff.wm.edu>

Subject: [19314] RE: Micronaut Info

Message-ID: <199705090018.UAA23994@facstaff.wm.edu>

Mitch,

I now have the info I requested on ordering the kit.

Thanks to the list I was successful in my quest. I

have built a Micronaut for 30m. The kit went together

well so will be building one for 40m, for the experience

and practice. All this before I attempt a more complex

QRP rig. I somehow lost his address from my last order.

Many Tnxs

de KU4FP / Russ

>

> hi russ...

>

> dave's address is 4941 Scenic View Drive, Birmingham, AL 35210

>

> he came by the vibroplex booth at the birmingham hamfest a couple

> of weeks ago... i admonished him \*again\* about not having email  
> or a web page...  
>  
> i picked up a micronaut from him then... i haven't built it yet,  
> tho... maybe after dayton...  
>  
> mitch, w4oa  
>  
> -----Vibroplex - Since 1890, the oldest name in ham radio!-----  
> Felton "Mitch" Mitchell, W4OA email: w4oa@vibroplex.com  
> The Vibroplex Co., Inc., 11 Midtown Park East., Mobile, AL 36606-4141  
> Orders 800-840-8873, Info 334-478-8873, FAX 334-476-0465  
> Visit our web site: <http://www.vibroplex.com/>  
>  
>  
>

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997  
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>  
Subject: [19356] RE: mobile antennas and Autek  
Message-ID: <39989.owen@piper.eeel.nist.gov>

In message Thu, 8 May 1997 14:23:42 -0600,  
Brad Mugleston <bmug@gwl.com> writes:

> Gang,  
>  
> I was able to borrow a Hustler setup for 40M. Got it tuned up so, per  
> my Autek, has a SWR of less than 1:2 over the whole cw novice section of  
> 40M.  
> I tried to tune it per the Autek instructions but again got confused so I  
> did a hit and miss using the SWR as the gauge.  
> Also Autek suggests using the EXTREME Z in place of SWR. After fooling  
> with it I believe the Extreme Z is the largest Z reading within the  
> desired frequency range - I could find much higher Z's but out of the  
> band and it didn't work to tune it that way.  
>

I read the same thing in the instruction and I don't know what they mean.  
They should define EXTREME. BUT IT'S NOT MAXIMUM Z. Maximum Z would be far  
away from antenna resonance. I think that they really mean minimum Z as this  
would be antenna resonance. Resonance is always the antenna's resistive  
component when the reactance is zero and will be minimum Z at resonance but  
not necessarily 50 ohms. Your minimum 2:1 SWR sounds about right as most  
Hustlers and BugCatchers will not go much lower on 160-80-40 without some  
additional matching at the base. You can use a capacitor to ground (variable

or experiment with fixed) about 200 pf +/- for 40m or a tapped inductor (use your Master Mobile Z Match) start with the tap about 1/3 up from ground or just use a tuner at the base to change the 2:1 to 1:1.

> Should the desired Z be 50 to give a 1:1 SWR?

Yes--the Autek is set for a 50 ohm system.

There is a caution. You can read a Z of 50 ohms and not have an SWR of 1:1 if the Z is more reactive (C or L) than resistive. Here is a good way to check if you are really at antenna resonance. Measure the Z and divide it by 50 ohms or 50/Z if Z is below 50 ohms to get the SWR then measure the SWR with the Autek if they are the same you are at antenna resonance if not then you have reactance (not resonant)

>

> Are there any Autek users that would like to exchange user notes with me  
> the next time I get to play with antennas?

>

Just ask I'm sure that there are a number of us.

> Does Autek have an EMAIL address and will they answer questions - I would  
> sure like to get more than 160 degrees rotation of the tuning knob to  
> play in, it really is hard to zero in on a frequency.

I don't know about an E-Mail. Yeah it pretty touchy.

72/73 Jim K4CGY

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997

From: EBikales@aol.com

Subject: no go...

Ok Matt, it came back. It's all yours. Maybe you can tell me what I did wrong.

Thanks! Eric

Dear Friends,

I'm leaving Friday, 9th of May on a tour of the UK with musical artist Neil Sedaka. I'll be playing keyboards, flute and harmonica. The band is responsible for a lot of new music, so we'll be busy, but I assure you that I will be QRPing my little heart out every chance I get. I'm taking my MFJ 9020, tuner, a dipole, and my trusty Isotron bolt-on antenna. Working the US could be pretty dicey, but I'll be listening carefully for anyone signing QRP, so if you hear me on, please give a call. I'm only on 20 Meter cw from 14.0 to 14.06 or so. The time of operation is pretty hard to pin down, but if I'm not working, I'll be on the air as much as possible. I will post my tour schedule so you can see my best days for operation.

Hope to hear some of you---any of you? (!) THANKS!

72&CU, Eric M/AC6NT/QRP

|        |    |                       |
|--------|----|-----------------------|
| Sunday | 11 | Belfast               |
| Monday | 12 | Dublin                |
| Tues   | 13 | OFF                   |
| Wed    | 14 | Travel to Bournemouth |
| Thurs  | 15 | Bournemouth           |
| Fri    | 16 | Travel                |
| Sat    | 17 | Cardiff               |
| Sun    | 18 | Travel                |
| Mon    | 19 | Nottingham            |
| Tues   | 20 | Newcastle             |
| Wed    | 21 | Manchester            |
| Thurs  | 22 | Travel                |
| Fri    | 23 | Glasgow               |
| Sat    | 24 | "                     |
| Sun    | 25 | "                     |
| Mon    | 26 | Harrogate             |
| Tues   | 27 | Birmingham            |
| Wed    | 28 | Travel                |
| Thurs  | 29 | OFF                   |
| Fri    | 30 | London                |

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997

From: "chuck munce" <k0gjx@msn.com>

Subject: [19343] RE: QRP Calling Freqs

Message-ID: <UPMAIL05.199705091320160053@msn.com>

chuck and all

as a long time vhf,er and also qrp,er i think the 6m and 2m qrp calling freq are a waste of time . lets put them where we can actually work some one. right now 144.200 and 50.125 would be better. however there is controversy on 50.125. for cw 50.090 would be better its out of beacon bands. and for 2m 144.200 works for phone and cw( i work aurora there ). qsy,ing up for 6m and up or down for 2m would be just fine.this way we would be in line with the rest of the world and could possibly work some one... 73 chuck k0gjx

-----  
From: owner-qrp-1@Lehigh.EDU on behalf of Chuck Adams  
Sent: Thursday, May 08, 1997 5:46 PM  
Subject: QRP Calling Freqs

| Band | CW              | SSB             |
|------|-----------------|-----------------|
| ---- | -----           | -----           |
| 160  | 1.810           | 1.910           |
|      |                 | 1.843 (Europe)  |
| 80   | 3.560           | 3.985           |
|      | 3.710 (Novice)  | 3.690 (SSB EU)  |
| 40   | 7.040           | 7.285           |
|      | 7.030 (Europe)  | 7.090 (SSB EU)  |
|      | 7.060 (Europe)  |                 |
|      | 7.110 (Novice)  |                 |
| 30   | 10.106          |                 |
| 20   | 14.060          | 14.285          |
| 17   | 18.096          |                 |
| 15   | 21.060          | 21.385          |
|      | 21.110 (Novice) | 21.285 (SSB EU) |
| 12   | 24.906          |                 |
| 10   | 28.060          | 28.885          |
|      | 28.110 (Novice) | 28.385 (Novice) |
|      |                 | 28.360 (SSB EU) |
| 6    | 50.060          | 50.885          |
|      |                 | 50.285 (SSB EU) |
| 2    | 144.060         | 144.285         |
|      |                 | 144.585 (FM)    |

Chuck Adams K5FO CP-60 adams@sgi.com

<http://reality.sgi.com/adams/>

WIMPS: Qs=032 30m=21 17m=5 12m=0 States=19/05/00 DX=03/00/00 QSLs=005

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997

From: Raventhorne <jelder@ix.netcom.com>

Subject: [19332] Re: QRP digital

Message-ID: <2.2.16.19970508212515.2d570dfe@popd.ix.netcom.com>

At 11:21 AM 5/8/1997 EDT, w2gum1@juno.com wrote:

>Yes I also have been in the digital mode for the past 63 years and have  
>found it to be the best and most efficient way of communicating GOOD  
>OLD HAND KEYED CW.

>Lets not mess up the QRP frequencies with all that Garbage. where the  
>operators blast away without checking the frequency first.

>

>I think it's a matter of not being able to copy the code. Please give us

>a break the Digital qrm on the QRP frequencies is bad enough as it is.

YES! YES! YES!

Having just had a nice QRP QSO on 7.045 ruined by some digital mode lid who fired up right on top of us, I agree wholeheartedly. Let digital and SSB share some frequencies.

72,

John

@~~~~~

@ John Elder, K06TS - King Of 6 Tiny States, ex: KD6HSK, N5FFH, WB6UWL, WN6UWL

@~~~~~

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997

From: Randy Hargenrader <randyh@harksystems.com>

Subject: [19352] Re: QRP DXCC

Message-ID: <33733240.10A3@harksystems.com>

Jim,

Be prepared for a LONG wait. I can't get a simple KW/M certificate from ARCI. (8 months) To be fair, be sure you fill out whatever form they use to the letter. Any confusion or question on any point puts the whole thing into a tail spin.

It a volunteer thing so it has no priority. Good luck!

--

73, (Sir)Randy WJ4P

Knightlites QRP-L #296 ARCI #9152 1996 40-9er High Scorer

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997

From: "Michael A. Gipe" <mgipe@reliablemeters.com>

Subject: [19358] Re: QRP DXCC

Message-ID: <199705091551.KAA08198@multi13.netcomi.com>

> Be prepared for a LONG wait. I can't get a simple KW/M  
> certificate from ARCI.

Perhaps they were confused about your request for a "kilowatts per mile" certificate -- most QRPers run a little less power. :-)

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997  
From: Randy Hargenrader <randyh@harksystems.com>  
Subject: [19359] Re: QRP DXCC  
Message-ID: <337349F3.5526@harksystems.com>

Michael A. Gipe wrote:

>  
> > Be prepared for a LONG wait. I can't get a simple KW/M  
> > certificate from ARCI.  
>  
> Perhaps they were confused about your request for a "kilowatts per mile"  
> certificate -- most QRPers run a little less power. :-)

DOH!!! :D

--

73, (Sir)Randy WJ4P  
Knightlites QRP-L #296 ARCI #9152 1996 40-9er High Scorer

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997  
From: kh6b@juno.com (Dean W Manley)  
Subject: [19370] RE: QRP DXCC  
Message-ID: <19970509.073644.5391.4.kh6b@juno.com>

Gang.....I've read comments to the request for  
QRP DXCC. I believe it was tried at least once  
before. ARRL said it was a matter of checking  
for actual power levels used.  
Some years ago, I recall someone sending in his  
hundred cards for DXCC. Yes, they all looked  
in order. He got the certificate. One problem:  
he never worked any of the stations. He  
collected QSL samples from printers and filled  
in the cards!  
I kinda see where ARRL is coming from.

73 and Aloha, Dean Manley KH6B  
ARRL Life Member, HI Chapter QCWA,  
ARCI 6257, QRP-L 1032, HI-QRP 1,  
NorCal 1928, NW QRP 470, OOTC 3642  
kh6b@juno.com VTI / W9SAL



From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997  
From: Jim Lowman <jmLowman@ix.netcom.com>  
Subject: [19313] Re: QRP DXCC and ARRL  
Message-ID: <33726242.B9F@ix.netcom.com>

Marty Watt wrote:

> And, as a matter of policy, the ARRL should support the "minimum  
> power necessary to maintain communications" rule outlined in Part  
> 97. This means, to me, recognition of those who accomplish  
> objectives playing by those rules, including QRP endorsements.

Well said!

> Are we (as a group) willing to say that rigs \*capable\* of QRO  
> operation automatically disqualify one for QRP contests, awards,  
> etc.? That's the only way I know to ensure no fraud -- use rigs  
> with maximum output of 5 Watts or less. And include in digital  
> bursts a tamper-proof digital signal that will indicate to the other  
> stations the rig type and power level being used. And I'm not  
> willing to go that far, either way.

I'm not sure that I'd want to go that far. How many of us own \*only\*  
QRP-capable rigs? I have an IC-706 and a couple of 200+ watt  
boatanchors  
as well as the QRP+.

Another thought: many modern rigs, even top-of-the-line QRO gear, are  
usually capable of being adjusted down to 5 watts or less. Here you  
have the benefit of a sensitive receiver, possibly with DSP, and full  
coverage of all bands.

Just my \$0.02.

72 de Jim - KF6CR

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997  
From: "David D. Meacham" <ddm@datatamers.com>  
Subject: [19318] Re: QRP DXCC and ARRL  
Message-ID: <Pine.LNX.3.91.970508165324.15770B-100000@dt1.datatamers.com>

Doug,  
Good idea! I'll send one to Dave since I'm not going to Dayton.  
72, Dave, W6EMD

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997  
From: K4AHK@ix.netcom.com  
Subject: [19319] Re: QRP DXCC and ARRL  
Message-ID: <33727695.31D8@ix.netcom.com>

The QRP ARCI offers a QRP DXCC award certificate. Mine means just as much to me as an ARRL award, but, I think your idea is just fine. Of course, all who are reading this could just e-mail Sumner at the ARRL as well.

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997  
From: Roger Hightower <n7kt@dancris.com>  
Subject: [19320] Re: QRP DXCC and ARRL  
Message-ID: <3372795C.6516@dancris.com>

Instead of overloading Dave, why not e-mail (or packet or snail-mail) your respective Division managers.

If enough of them bring it to the attention of Dave and Board, it might fly.

--

72/73 de Roger N7KT n7kt@dancris.com Mesa, AZ Grid DM43cj  
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383  
AK-QRP 167

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [19328] Re: QRP DXCC and ARRL  
Message-ID: <Pine.SUN.3.90.970508203929.20089D-1000000@vortex>

Here is an idea.....

Instead of just asking for another catagory or for another class in a contest, also be willing to step up and take over the oversight of the project. :-)

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997  
From: K4AHK@ix.netcom.com  
Subject: [19317] Re: QRP Freq. -17M  
Message-ID: <337274FE.3067@ix.netcom.com>

17 meter QRP frequencies:

CW 18.096

SSB 18.130

The web page for the Columbus QRP Club has a nice list for all bands.

72, Bill - K4AHK

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997  
From: John Seboldt <rohrwerk@pcOnline.com>  
Subject: [19344] Re: R2 and digital quadrature -- deja vu!  
Message-ID: <103020900af9883c6987b@[206.145.48.111]>

>For any HF application, you'd only have to digitize at double the audio  
>bandwidth. 10 kHz would be nice overkill. You could easily perform the  
>needed filtering with today's PCs without having to resort to a DSP.  
>  
>Designing the complex digital filters is fairly simple. They can either be  
>implemented in a DSP or by a PC cpu, or in a special purpose filter chip  
>designed by Harris (it takes a pair of the chips to do the required complex  
>filtering).  
>  
>72,  
>  
>@ John Elder, K06TS

Well, if someone will kindly give us chip names, write some firmware, and  
give us other such details, I for one would not mind such an intro to this  
admittedly common industry approach!

John K0JD

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997  
From: laura halliday <ve7ldh@direct.ca>  
Subject: [19373] Re: R2 and digital quadrature -- deja vu!  
Message-ID: <33736549.CF45092@direct.ca>

John Seboldt wrote:

>  
> (snip...)  
>  
> Well, if someone will kindly give us chip names, write  
> some firmware, and give us other such details, I for  
> one would not mind such an intro to this admittedly  
> common industry approach!

Hit your favourite technical bookstore and pick up a decent DSP textbook - the topic is currently trendy, and good books abound. My perennial beef is that many books go through all the theory and preliminaries in detail, but when it comes time to actually compute FIR coefficients they tell you to feed the information to some handy dandy program that didn't come with the book and that you get to pay still more money for. Nevertheless, it is pretty easy to find yourself hip-deep in information.

There was a writeup in QEX last year about creating low, high and bandpass filters with DSP. The author used Fourier Series methods with various window functions and fed the results to a TI DSP evaluation board that has the chip and supporting goodies, including ADC and DAC chips.

No, I don't have the reference handy (anybody?), but a bit of snooping will produce numerous pointers. Try sniffing around the web sites of people who play with DSP, like TI, Analog Devices, Motorola, TAPR, etc. etc. etc.

DSP programming per se can be childishly simple (repeatedly multiplying samples by coefficients and adding in other samples), but there are subtleties in generating those coefficients, and, like all things, it's not magic: you have to understand the capabilities of what you're using (often extraordinary), as well as the limitations (frequently maddening). In return you get stable, well-defined performance.

Summary: a feast of information is out there. Dig in!

--

Laura Halliday                    "C'est une femme mutine, assez elegante,  
ve7ldh@direct.ca    grave et legere, ayant le sens de  
Grid: CN89mg        de confort et de plaisir en tout."  
                     - C. Deneuve

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997  
From: cmos@mail.microserve.net  
Subject: [19378] Re: R2 and digital quadrature -- deja vu!  
Message-ID: <199705091902.PAA13565@mail.microserve.net>

> Date: Fri, 09 May 1997 10:56:25 -0700  
> Reply-to: ve7ldh@direct.ca  
> From: laura halliday <ve7ldh@direct.ca>  
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
> Subject: Re: R2 and digital quadrature -- deja vu!

> John Seboldt wrote:

> >

> > (snip...)

> >

> > Well, if someone will kindly give us chip names, write  
> > some firmware, and give us other such details, I for  
> > one would not mind such an intro to this admittedly  
> > common industry approach!

>

> Hit your favourite technical bookstore and pick up a decent  
> DSP textbook - the topic is currently trendy, and good  
> books abound. My perennial beef is that many books go  
> through all the theory and preliminaries in detail, but  
> when it comes time to actually compute FIR coefficients  
> they tell you to feed the information to some handy dandy  
> program that didn't come with the book and that you get  
> to pay still more money for. Nevertheless, it is pretty  
> easy to find yourself hip-deep in information.

>

I took a course on dsp a few semesters ago.

The book I used was "Signal Processing"

by Sophocles Orfanidis.

<http://www.ece.rutgers.edu/~orfanidi/intro2sp.html>

This book covers how to calculate the coefficients.

But you should have some calculus and differential equation  
knowledge befor opening this book.

But I'd rather use the "handy-dandy program" then go  
through a page or two of calculations to come up with  
an exact answer that you have to round off when you

go to program the dsp anyway.

Jim,

```
-----
#####  #          #          #####          #####
#          #  #  #  #          #          #          #
#          #  #          #          #          #          #####
#          #          #          #          #          #          #
#####  #          #          #####          #####
```

Cmos@microserve.net

<http://WWW.PCT.EDU/homepage/student/marjam55/>

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997

From: Pete Hardie <hardie@duke.usask.ca>

Subject: [19385] Re: R2 and digital quadrature -- deja vu!

Message-ID: <Pine.OSF.3.95.970509145618.11115C-100000@duke.usask.ca>

Laura: If you have access to a C compiler, I converted the Parks-McLellan FIR design program from FORTRAN into C. I have used it to design several FIR filters, primarily bandpass for CW of course. I use the coefficients in a program I wrote for the Analog Devices EZKIT Lite board which has a 2181 DSP chip onboard.

The C code is available in:

<http://duke.usask.ca/~hardie>

I have also modified the program for Windows 95 (and the Amiga) so that it has a graphical

back end which displays the frequency response of the filter and allows you to modify the filter's characteristics and run the program again. It makes designing a filter much easier. However, I haven't got around to putting that on my web page (such as it is) yet. And it may be a while before I do. My beast is at the store awaiting a motherboard replacement.

x

73 de Pete

ve5va.qrp@usask.ca

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997

From: dzn1@juno.com (Howard D Rubin)  
Subject: [19387] Re: R2 and digital quadrature -- deja vu!  
Message-ID: <19970509.175055.10438.1.dzn1@juno.com>

Why would anyone want to tie up a \$2000 computer as an audio filter when a \$100 DSP board (or \$25. DSP chip with peripherals) could do the job better? grins.

Howard Rubin  
Editor, X-Mitter  
[www.pennwireless.org](http://www.pennwireless.org)

On Fri, 9 May 1997 08:41:24 -0500 John Seboldt <rohrwerk@pcOnline.com> writes:

>>For any HF application, you'd only have to digitize at double the  
>audio  
>>bandwidth. 10 kHz would be nice overkill. You could easily perform  
>the  
>>needed filtering with today's PCs without having to resort to a DSP.  
>>  
>>Designing the complex digital filters is fairly simple. They can  
>either be  
>>implemented in a DSP or by a PC cpu, or in a special purpose filter  
>chip  
>>designed by Harris (it takes a pair of the chips to do the required  
>complex  
>>filtering).  
>>  
>>72,  
>>  
>>@ John Elder, K06TS  
>  
>Well, if someone will kindly give us chip names, write some firmware,  
>and  
>give us other such details, I for one would not mind such an intro to  
>this  
>admittedly common industry approach!  
>  
>John K0JD  
>  
>  
>  
>

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997  
From: Zack Lau <zlau@arrl.org>

Subject: [19349] Re: Receiver specs  
Message-ID: <337330DC.1412@arrl.org>

Marty Watt wrote:

>  
> I'm attempting to compare the receiver in my ARGO 556 to the specs  
> for other compact HF rigs (like the TS-50, IC-706, and DX-70. The  
> specs for the tentec list a sensitivity of .35uV, which seems rather  
> "insensitive". The noise floor is -126dBm.  
>  
> I can't find specs on the TS-50 on the web, but the DX-70 has a  
> sensitivity of .25, the IC-706 is .16uV. Nobody lists noise floor  
> ...  
>  
> is there a way to compare the specs on this? Or is there a level at  
> which further receiver sensitivity becomes irrelevant?  
> One way is to look up product reviews in QST. This reduces the problems  
of specsmanship--there are many different ways to characterize receiver  
sensitivity--not to mention trying to compare someone's worst case specs  
against a marketing manager's optimistic interpretation of engineering  
data.

Receiver sensitivity becomes irrelevant when the noise of the  
receiver is small compared to noise from other sources. It usually  
isn't a problem on the HF bands unless you are using a really simple  
piece of equipment (how few parts can I use and get something that  
sort of works...) As a couple of QRP NE members will attest, the  
tiny 20M rig I built during FD is plenty sensitive--we did A/B  
comparisons at W1FMR's QTH.

--Zack Lau W1VT

BTW, I checked my 903/1296/2304 transverters with a -144 dBm signal  
out of a Marconi 2041 signal generator--since I easily hear it they  
probably work :-).

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997  
From: RSPSC1 RS Store POS Mail user <RSPSC1@Tandy.com>  
Subject: RE: Spkr\_Phone Schematic

Schematics and technical information is available in the Service Manual.  
You should be able to obtain a service manual from Tandy National Parts.  
The address and phone number for Tandy National Parts Warehouse is:

National Parts



600 Tandy Technology Center  
Fort Worth, Texas 76102  
(800) 442-2425  
FAX use: 800-821-1959

THANK YOU,

RADIO SHACK COMPUTER SUPPORT SERVICES  
CC/cd

----- End forwarded message -----

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997  
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>  
Subject: [19345] RE: TenTec Omni A Parts?  
Message-ID: <35329.owen@piper.eeel.nist.gov>

In message Thu, 08 May 1997 20:06:00 -0700,  
DENNYV <DENNYV@clarityconnect.com> writes:

> Hi All  
> I picked up a couple vintage Ten-Tecs this weekend at a Hamfest, a 540  
> and a Omni A. I got a little carried away tweeking the Dial cord on the  
> omni and broke the Dial pointer. QUESTION: Does anyone know of a source  
> for Vintage Ten tec parts? Also is there a Ten tec group out there  
> and where do I find it? Thanks and 72 Denny  
>

The factory still has most of the parts for any of the rigs they built. Give them a call. 1-800-833-7373 for orders or 1-423-453-7172 for parts and other information. To subscribe to the TenTec reflector send an E-mail to TENTE- request@contesting.com and in the body put subscribe To post to the TENTE- reflector send a message to TENTE@contesting.com 72/73 Jim K4CGY  
qrp-1 #72

From owner-qrp-1@Lehigh.EDU Fri May 9 18:04:07 1997  
From: n4js@amsat.org (John Sielke)  
Subject: [19335] Re: WIMPS: 12 Meters; SCHEDS?  
Message-ID: <3372a8e7.5772085@pop3.cyberenet.net>

On Fri, 9 May 1997 04:14:44 +0000, you typed:

>At 02:48 AM 5/9/97 +0000, you wrote:

>>Group,

>>

>>Has anyone worked a station on 12 meters for WIMPS?

>>

>O.K. Joel, you're on. I just finished putting together a Sterba Curtain =  
for 12m

>and am looking for contacts to make all the Blood Sweat & Tears =  
worthwhile. If

>the weather holds out I should have it up sometime Fri. PM. Let me know =  
when=20

>you think we have the best chance. (NOT Sat. PM... I'll be away 'til =  
7:00pm.

>-ANY OTHERS INTERESTED?

Well, I'm still looking for 1st 12M contact, too. Please, post to  
qrp-l if the band opens, or whatever. I'll be working nights  
(0200-1200Z)this weekend, but will be home in AM, and awake after  
about 1800Z. =20

>=3Ds=3D

>

>

>

>"Seab" Lyon - AA1MY

>Bethel, CT; FN-31-HJ

>ARCI#9253; QRP-L #574

>NEQRP#511; ARRL; QCWA =09

>

>

>

|                               |                                                                 |                |                  |
|-------------------------------|-----------------------------------------------------------------|----------------|------------------|
| _ _ _ _ _                     | John L. Sielke                                                  | n4js@amsat.org | n4js@pobox.com   |
| \         _     / _ _         | n4js@n4js.ampr.org                                              | NJ Grid:FM29LN |                  |
| . '     _ _       \ _ _ \     | <a href="http://www.qsl.net/~n4js">http://www.qsl.net/~n4js</a> |                |                  |
| _   \ _   _   \ _ _ /   _ _ / | NJ-QRP #57                                                      | QRP-L #884     | QRP-ARCI #9328   |
| NE-QRP #507                   | G-QRP #9544                                                     | NorCal #1989   | QCWA FISTS #2781 |

From owner-qrp-l@Lehigh.EDU Fri May 9 18:04:07 1997

From: Byron8LCZ@aol.com

Subject: [19372] Re: WIMPS: 12 Meters; SCHEDS?

Message-ID: <970509134722\_-30136834@emout06.mail.aol.com>

In a message dated 97-05-09 01:42:36 EDT, you write:

<< O.K. Joel, you're on. I just finished putting together a Sterba Curtain for 12m and am looking for contacts to make all the Blood Sweat & Tears worthwhile. If the weather holds out I should have it up sometime Fri. PM. Let me know when you think we have the best chance. (NOT Sat. PM... I'll be away 'til 7:00pm. -ANY OTHERS INTERESTED?  
=S=

"Seab" Lyon - AA1MY  
Bethel, CT; FN-31-HJ

Hi Gang,

Count me in Seab, cu on 24.895 at 2100z to 2400z for 5 minutes at the top of each hour. lets all try sat and sun evenings. If you're not there sat evening, perhaps others will be.

72, Byron WA8LCZ Detroit Mich